AR-N5205A
System Guide

Revision	Description	Date
1.0	Release	2010/02/02

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1. Introduction of AR-N5205A

AR-N5205A is the mainstream level network platforms solutions that use Intel chipsets and support for Celeron M / Pentium M processors up to 1.8GHz providing exceptional performance. Furthermore, by leveraging the PCI Express technology both provide total of four onboard PCI-E x1 GbE ports plus two PCI GbE ports to maximize network bandwidth. Among the Ethernet ports, integrated a pair of configurable By-Pass function ensure continuous operation during power interruption or any unexpected system halt. The systems support up to 2GB of DDRII memory at 400MHz (default onboard 512MB DDRII), SATA HDD and Compact Flash for OS / Internet security applications. Real panel features a 9-pin RS-232 serial port, VGA port, and two USB ports for I/O connectivity.

AR-N5205A offer the flexibility, and power efficiency which are ideally for many internet security applications, such as UTM (Unified Threat Management), WAS (Web Access Management), VPN and Anti-Spam mail server etc.. System integrators can easily develop their internet security solutions with Gigabit Ethernet, expandable HDDs, and the convenient modular design.

AR-N5205A features:

- Intel 910GMLE + ICH6M chipsets support Intel Celeron M / Pentium M (Celeron M 1GHz / Celeron M 1.5GHz / Pentium M 1.8GHz)
- 2 Memory slots, support 2GB max
- 6 Gigabit Ethernet(4 * Intel 82574L, 2 * Intel 82541PI).
- Console re-direction port
- Bypass function.

1.1 Specifications

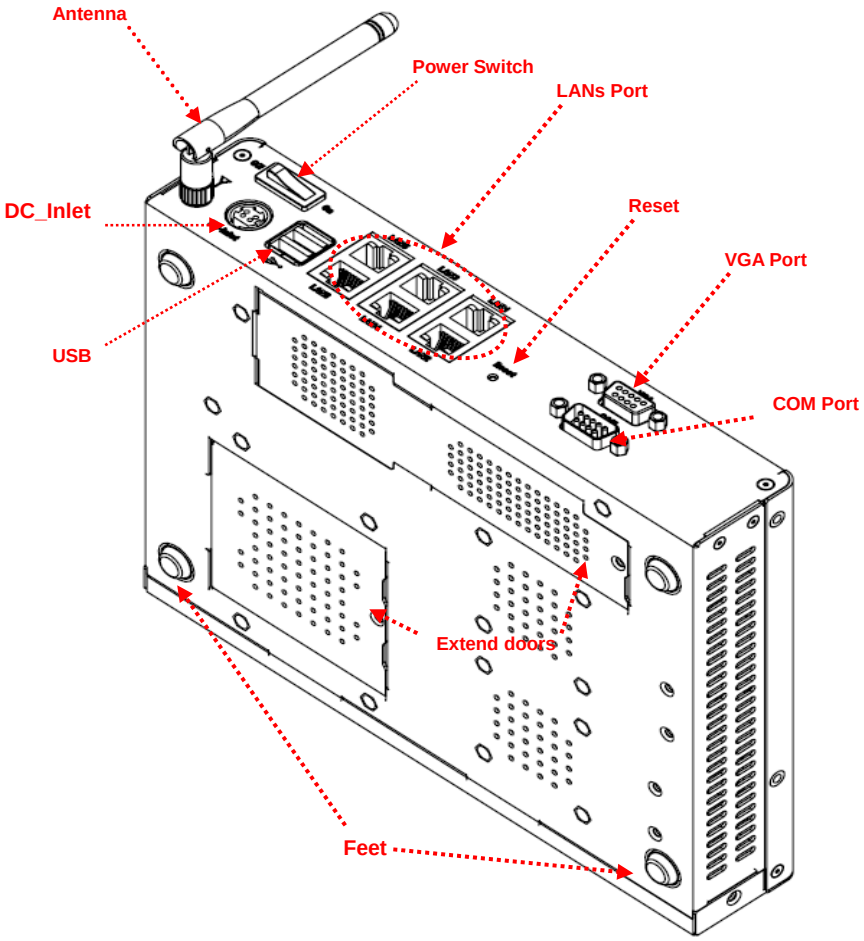
Item	Description
System	AR-N5205A Series
CPU Board	AR-B5205
System Dimensions	229*44*183(mm)

1.2 Packing List

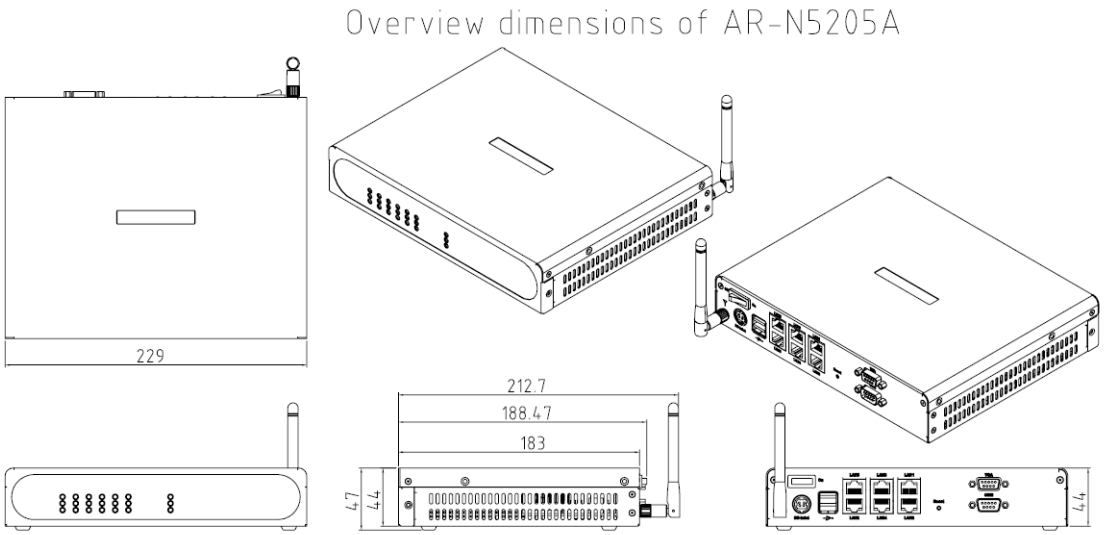
Description	Q'ty
AR-N5205A	1
Power Core	1
Power Adaptor	1
CD	1
SATA Power Cable	1
SATA Cable	1
KB/MS Cable	1
Qulck user manual	1
2.5"HDD Bracket (screws-8PCS)	1

1.3 System Dissection

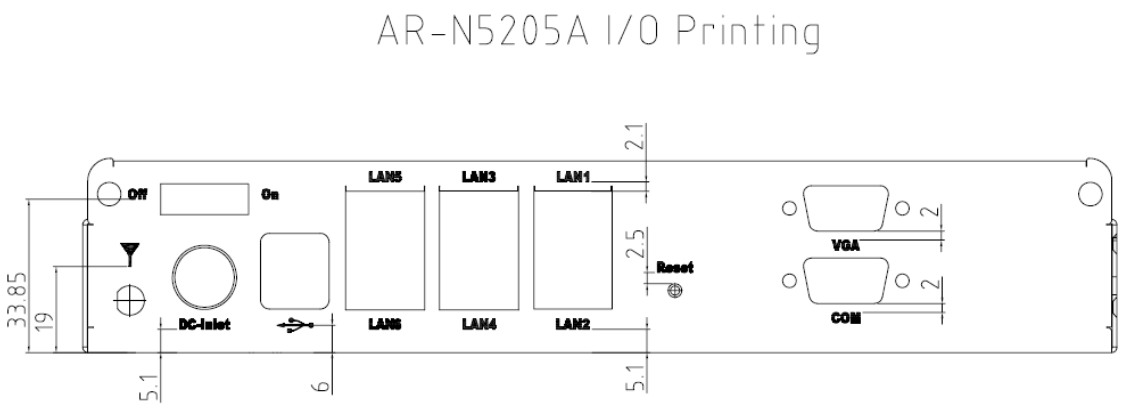
AR-N5205A_Overview



AR-N5205A product 3D outlines



AR-N5205A product 2D outlines



AR-N5205A I/O Panel

AR-N5205A Membrane

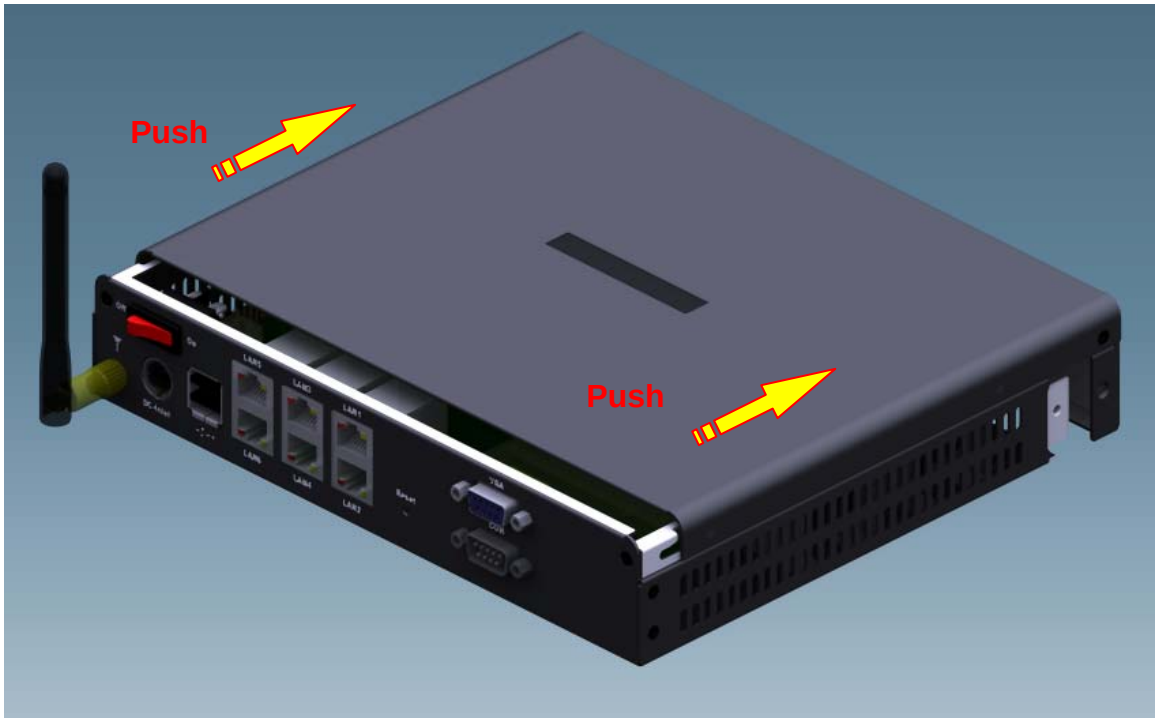
2. Procedure of Assembly/Disassembly

2-1 Installing the 2.5”Hard Disk Drive (HDD)

The following are step-by-step installation

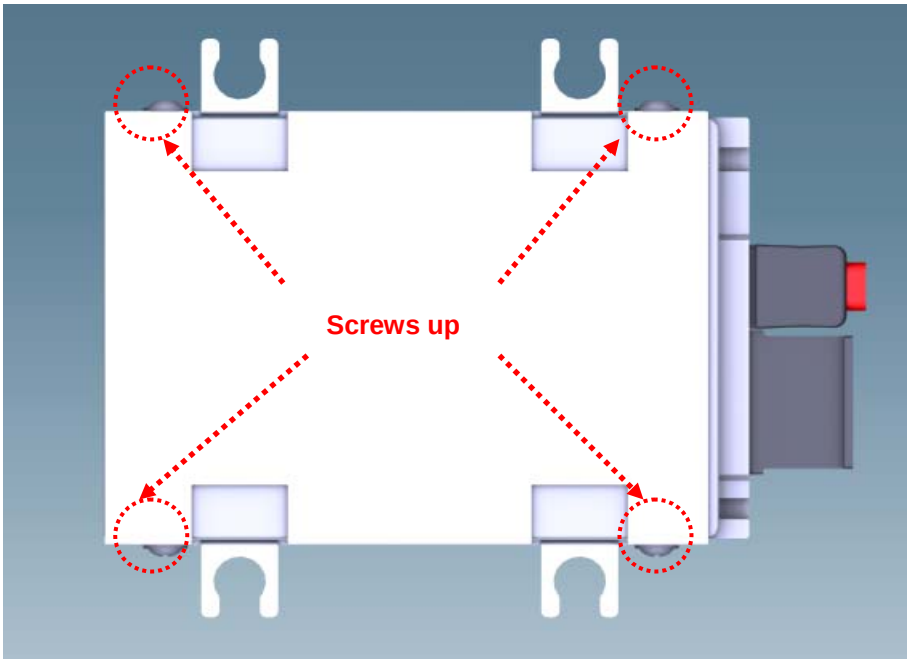
1. Remove the power cord out from the AR-N5205A
2. Unscrew the two screws in top cover of AR-N5205A.

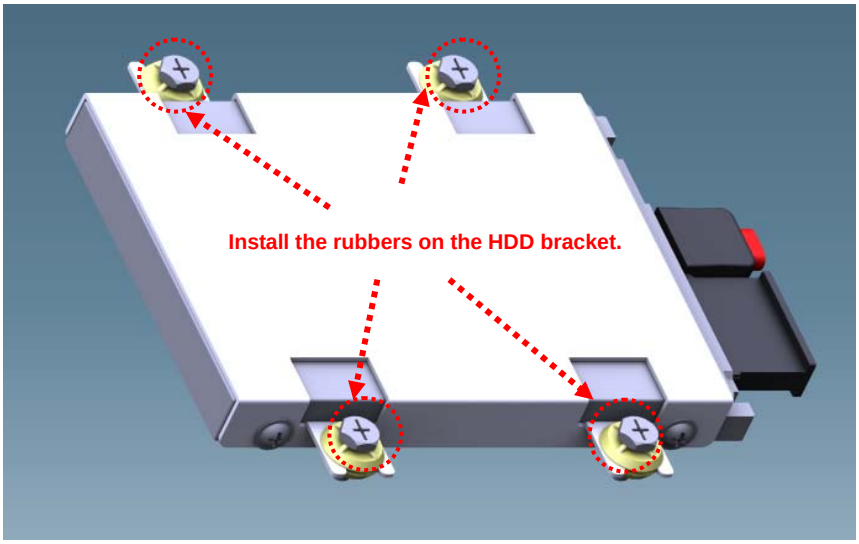
3. Release the top cover follows the direction.



4. Place HDD body into HDD bracket and lock HDD body and bracket by screws (4pcs).

5. Insert the rubbers into the HDD bracket.

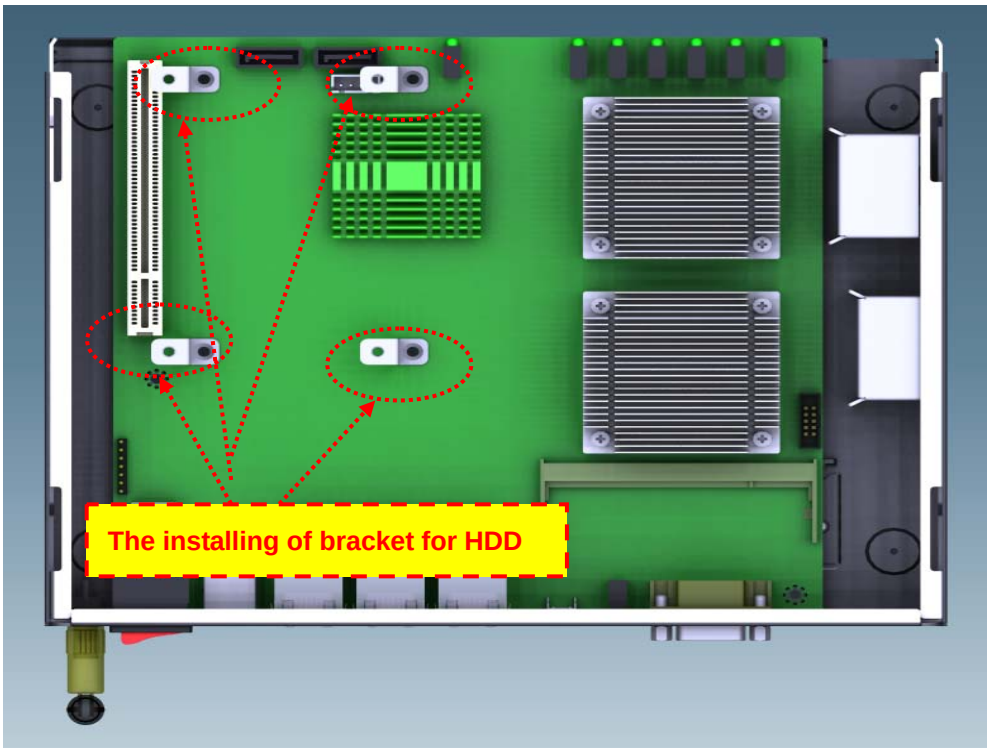


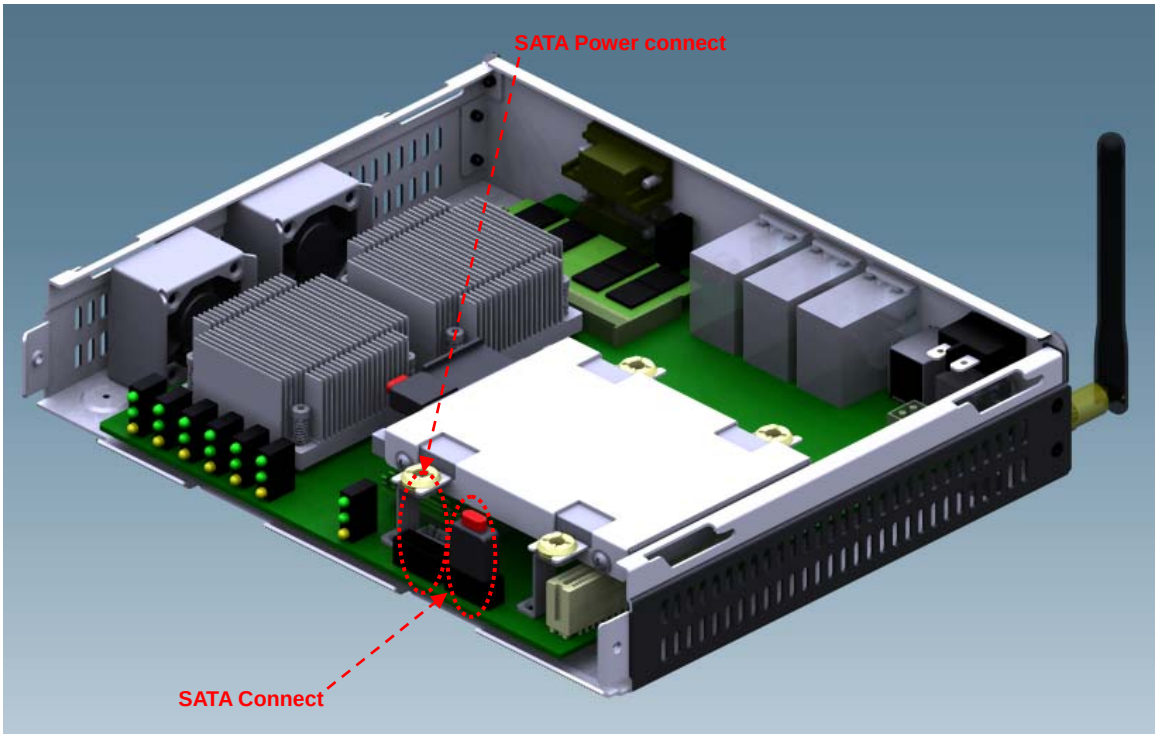


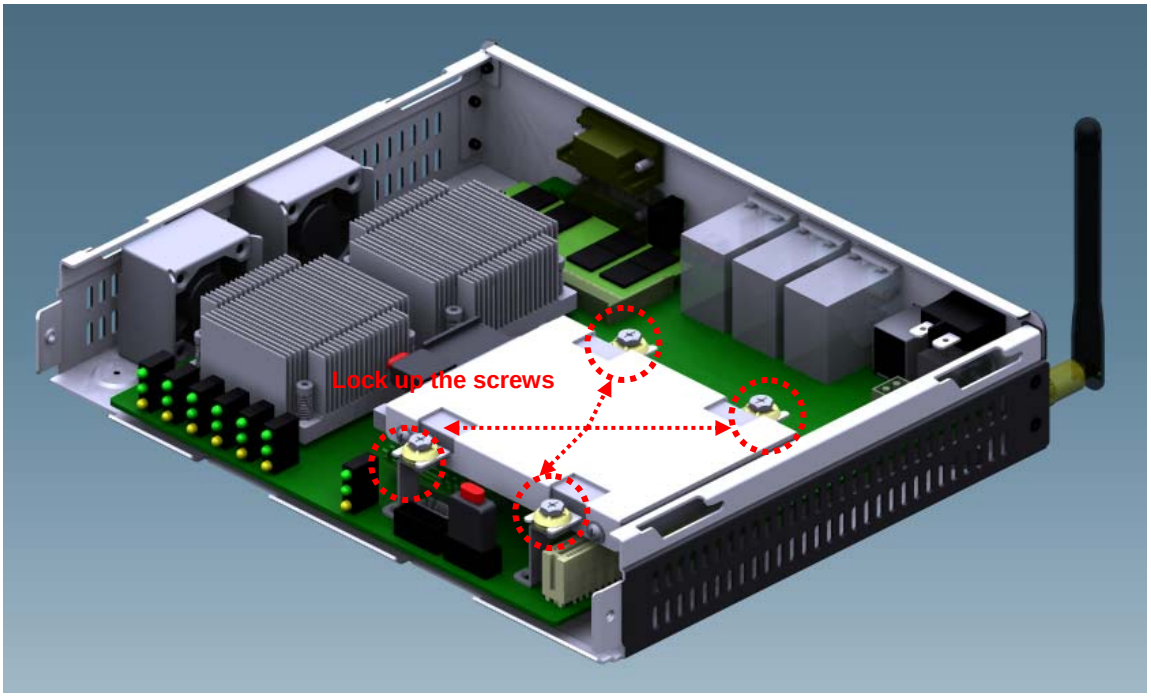
6. Connect SATA cable to HDD module (HDD+HDD bracket)

7. Place HDD module back to the case

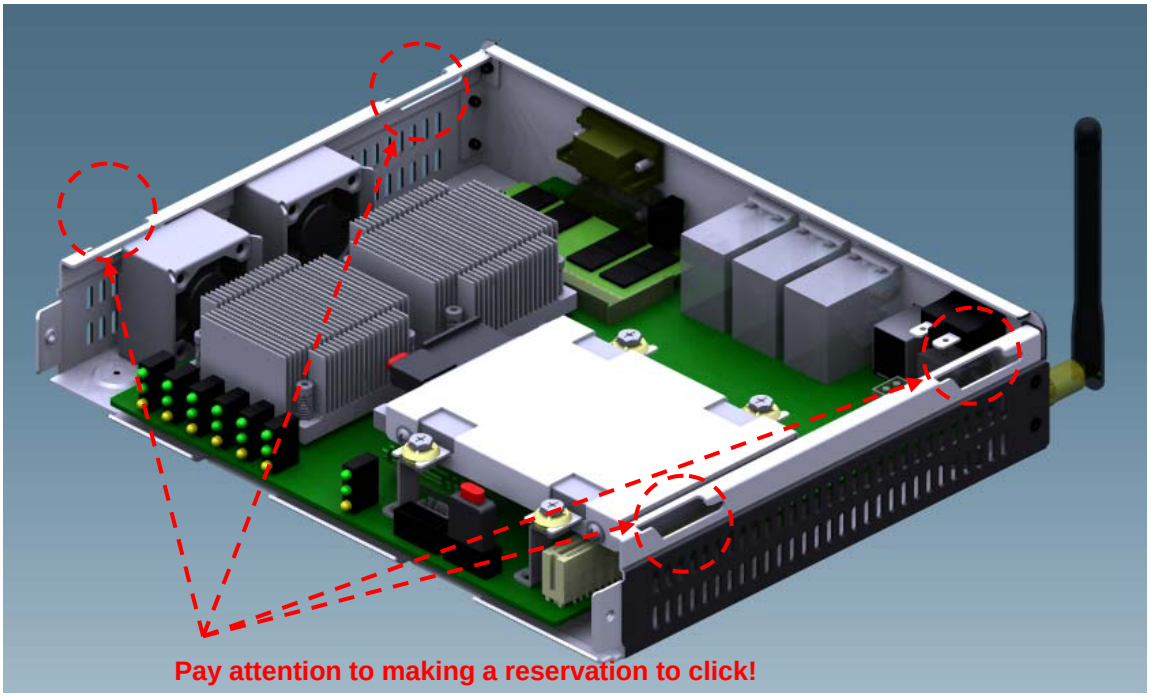
8. Lock HDD module to the chassis by four screws and connect the HDD with SATA cable and Power cable.

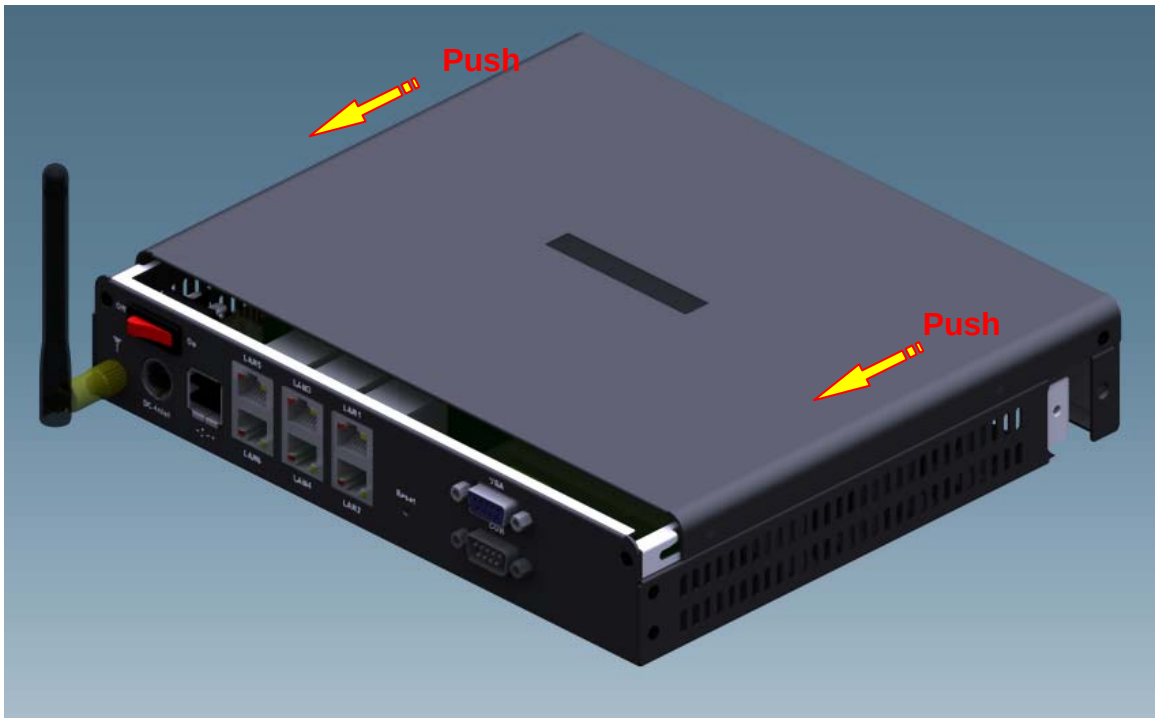



SATA Power connect
SATA Connect


Lock up the screws

9. Finish the installation by lock the two screws in top cover of AR-N5205A.



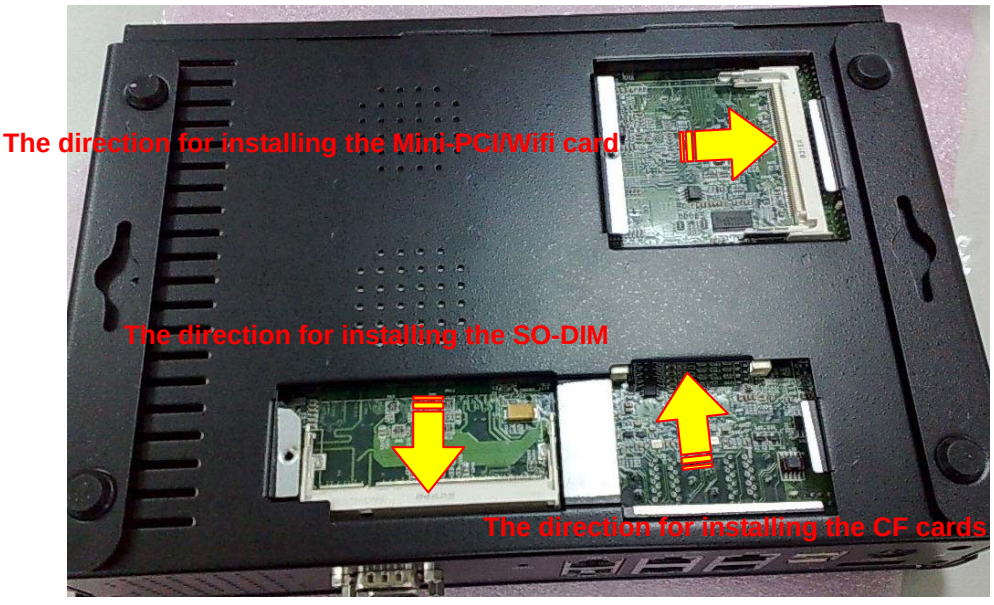


2-2 Installing CF, mini PCI and SO-DIMM cards

The following are step-by-step installation

1. Remove the extending doors by removing the screws, as shown below.

Remove the extending doors by removing the screws.


The direction for installing the Mini-PCI/Wifi card
The direction for installing the SO-DIM
The direction for installing the CF cards

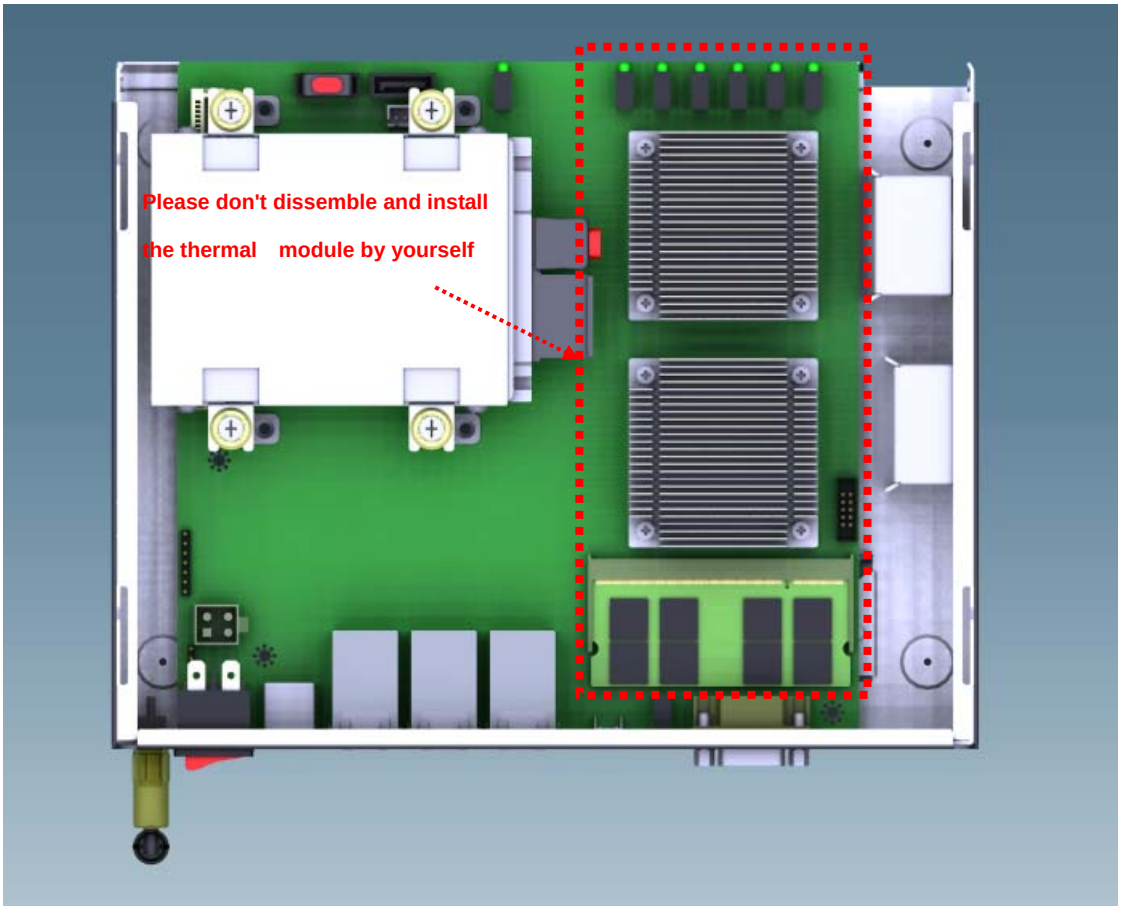
Install the cards in the chassis

Appendix

NOTICE:

Please don't change CPU by yourself. Any disassembly and assembly for the CPU thermal module will cause unexpected damage.

Please do contact Acrosser customer survice center/FAE in case changing CPU .



Please don't dissemble and install the thermal module by yourself**!**